

TEXAS

Science and Engineering Profile

	Texas	U.S.	Rank		Texas	U.S.	Rank
Doctoral scientists, 1993	22,836	430,332	3	Total R&D performance, 1993 (millions)	\$6,966	\$161,427	8
Doctoral engineers, 1993	5,671	81,293	2	Industry R&D, 1993 (millions)	\$4,882	\$117,622	9
S&E doctorates awarded, 1993	1,490	25,409	4	Academic R&D, 1993 (millions)	\$1,387	\$19,489	3
of which, in engineering	26%	22%		of which, in life sciences	58%	55%	
in life sciences	24%	24%		in engineering	17%	16%	
in physical sciences	15%	15%		in physical sciences	10%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	1,926	34,394	4	expenditures, 1993 (millions)	\$8,699	\$163,994	4
S&E graduate students, 1993				Number of SBIR awards, 1990-93	466	13,995	8
in doctorate-granting institutions	28,872	438,128	3	Patents issued to state residents, 1994	3,878	56,039	3
Population, 1994 (000s)	18,378	260,341	2	Gross state product, 1992 (billions)	\$416.9	\$5,994.1	3
Civilian labor force, 1994 (000s)	9,384	131,013	2	of which, agriculture	2%	2%	
Personal income per capita, 1994	\$19,857	\$21,809	33	manufacturing, mining, construction	25%	23%	
Federal spending				transportation, communication, utilities	11%	9%	
Total expenditures 1994 (millions)	\$79,308	\$1,284,896	3	wholesale and retail trade	16%	16%	
R&D obligations 1993 (millions)	\$2,546	\$65,394	8	finance, insurance, real estate	16%	18%	
				services	18%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in Texas by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	2,546,214	467,760	6,090	1,253,665	587,349	224,091	7,259	8
Department of Agriculture	61,289	41,605	0	77	19,508	0	99	4
Department of Commerce	6,646	137	0	4,810	1,459	0	240	19
Department of Defense	1,058,743	82,827	6,090	836,673	69,952	63,201	0	10
Department of Energy	146,314	0	0	12,816	27,183	106,315	0	10
Dept. of Health & Human Services	401,192	69	0	5,681	362,578	31,408	1,456	7
Department of the Interior	8,229	7,034	0	310	816	0	69	24
Department of Transportation	11,066	526	0	2,393	2,863	499	4,785	11
Environmental Protection Agency	13,471	0	0	3,966	9,505	0	0	10
Nat'l Aeronautics & Space Admin.	778,541	335,562	0	385,487	34,788	22,094	610	4
National Science Foundation	60,723	0	0	1,452	58,697	574	0	9
State rank	8	10	18	8	6	3	8	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.